From: Brian McDermott
To: Adam Stiebeling; Alela Salame-Alfie; Barbara Youngberg; C.J. Miller; Daniel Greeley; Dominick Greene; Geri Shapiro; Jack Spath; James Baranski; Jeff Tkacs; Linda Puglisi; Paul Eddy; Peter Feroe; Robert Bondi; Sandy Galef; Steve Gross; Tim Rice; Tony Sutton
Date: Tue, Jan 17, 2006 9:16 AM
Subject: Conference Call on Indian Point Spent Fuel Pool/Tritium Issues - Routine Update Thurs 1/19 3:30 pm

On Thursday January 19, 2006, at 3:30 p.m. there will be a routine update on the Indian Point spent fuel pool and tritium issues.

Date: 1/19/06
Time: 3:30 p.m. - 4:30 p.m.

Toll Free Phone Number: 1-800-638-8081 Pass Code: [ ] Exempt 2
(Alternate Number: 301-231-5539)

If multiple individuals from your organization plan to participate in the conference call, please call from a common location when possible.

The briefing is being provided for the representatives of federal, State, and local government officials. Please do not distribute the telephone conference information to individuals other than the intended participants.

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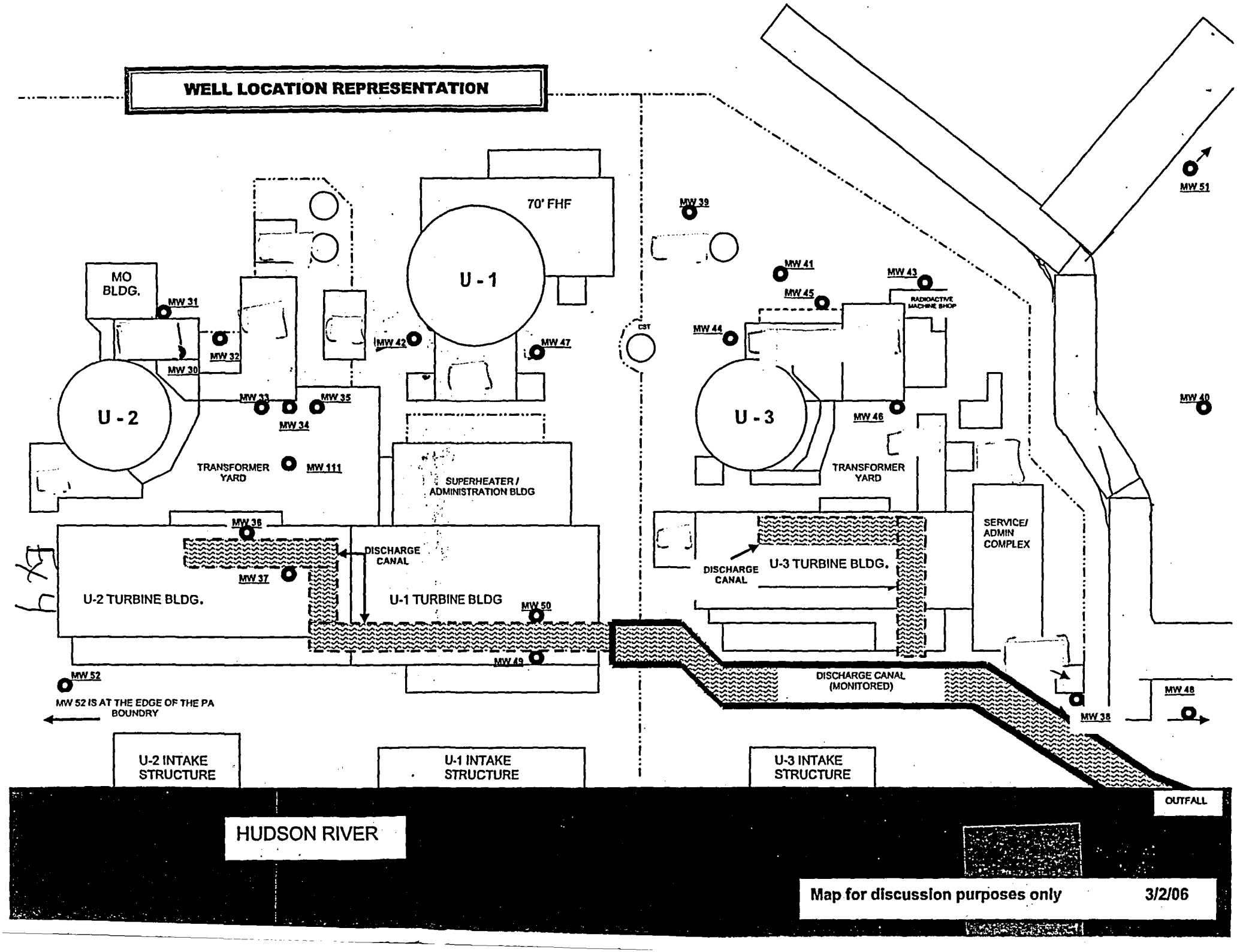
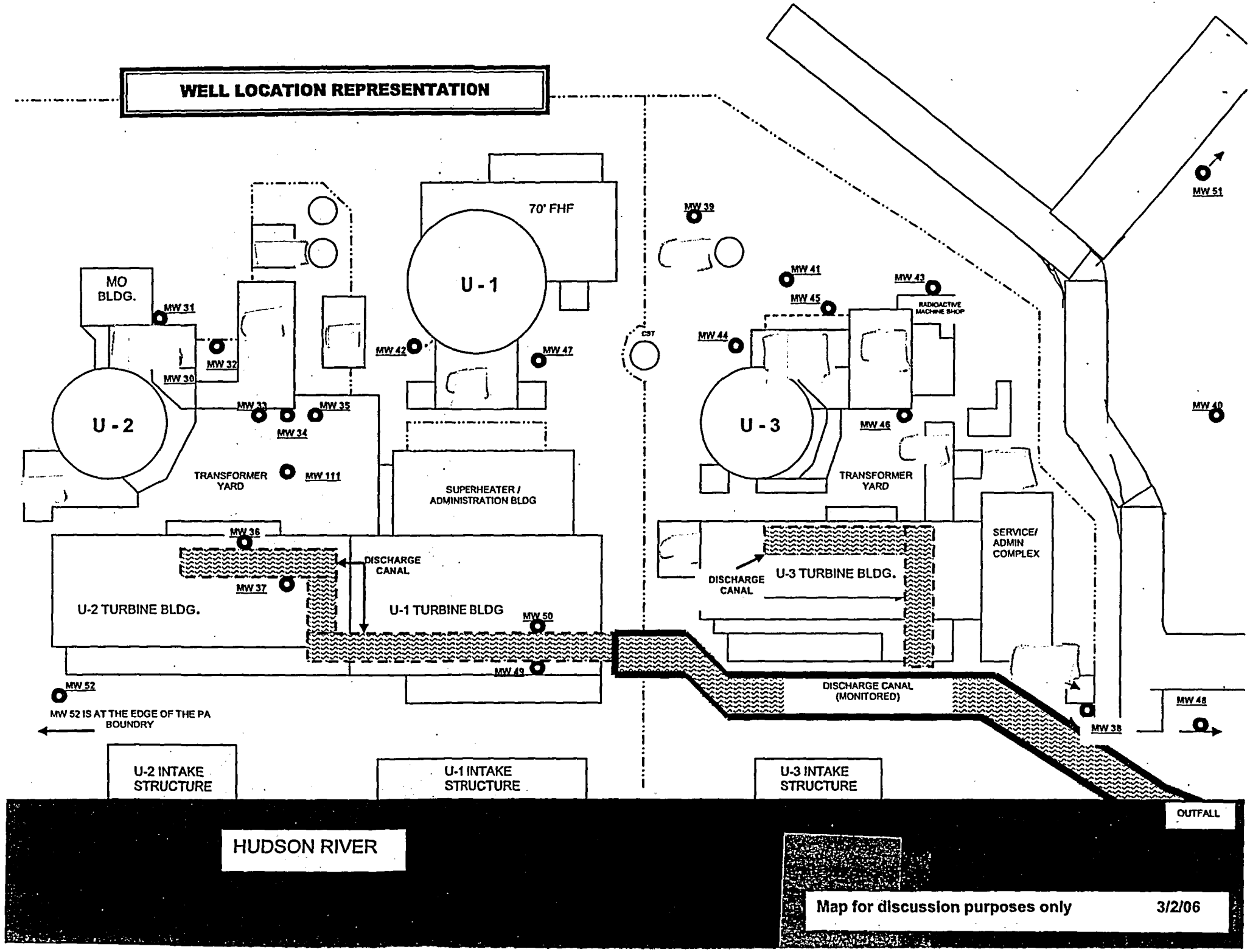
CC: Don Leach; John Boska; John White; Kathy McMullin; Raeann Shane; Richard Barkley

Information in this record was deleted in accordance with the Freedom of Information Act, exemptions 2+6
FOIA- 2006-0140

D/10


WELL LOCATION REPRESENTATION
MO BLDG.
MW 31
MW 32
MW 30
U - 2
MW 33
MW 35
MW 34
TRANSFORMER YARD
MW 111
70' FHF
U - 1
MW 42
MW 47
SUPERHEATER / ADMINISTRATION BLDG
MW 36
MW 37
DISCHARGE CANAL
U-2 TURBINE BLDG.
U-1 TURBINE BLDG
MW 50
MW 49
MW 52
MW 52 IS AT THE EDGE OF THE PA BOUNDRY
MW 39
MW 41
MW 43
MW 45
RADIOACTIVE MACHINE SHOP
CST
MW 44
U - 3
MW 46
TRANSFORMER YARD
SERVICE/ ADMIN COMPLEX
DISCHARGE CANAL
U-3 TURBINE BLDG.
DISCHARGE CANAL (MONITORED)
MW 51
MW 40
MW 48
MW 38
U-2 INTAKE STRUCTURE
U-1 INTAKE STRUCTURE
U-3 INTAKE STRUCTURE
OUTFALL
HUDSON RIVER
Map for discussion purposes only
3/2/06


WELL LOCATION REPRESENTATION
MO BLDG.
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TRANSFORMER YARD
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SUPERHEATER / ADMINISTRATION BLDG
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U-1 TURBINE BLDG
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SERVICE/ ADMIN COMPLEX
MW 52
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DISCHARGE CANAL (MONITORED)
MW 38
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U-2 INTAKE STRUCTURE
U-1 INTAKE STRUCTURE
U-3 INTAKE STRUCTURE
OUTFALL
HUDSON RIVER
Map for discussion purposes only
3/2/06

ID	Date	Location	Sample Results Tritium (pCi/L)	
Monitoring Wells on Site				
MW-111	2/7/06	Transformer Yard	238,000	
MW-30	2/7/06	SFB	511,000	
MW-31	2/7/06	Adjacent to SFB	33,100	
MW-32	2/7/06	SFB Alley Way	17,700	
MW-33	2/7/06	Transformer Yard	214,000	
MW-34	2/7/06	Transformer Yard	174,000	
MW- 35	2/7/06	Transformer Yard	84,500	
MW-36	2/10/06	IP2 Turbine building	47,500*	
MW-37	2/7/06	IP2 Turbine Building	30,000	
MW-38		South perimeter near IP3		
	2/8/06	Entergy (Teledyne)	ND	(<346) MDA
	12/8/06	New York State	701	
	12/8/06	Entergy (Fitzpatrick lab)	985	
MW-48	2/8/06	South perimeter		
		Entergy	ND	
	2/8/06	New York State	250	
Off Site Locations				
	2/4/06	Algonquin	ND	
	2/4/06	Gypsum Plant	ND	
	2/4/06	Trap Rock Quarry	ND	
MW-111 Samples Analyzed for Sr-90				
	10/29/05	Entergy Sr-90	ND	
	10/21/05	New York State – Sr-90	3	

ND= No detectable activity
** = test result taken at 41' of a multi-level monitoring well. Test results from other depths were lower.*

ATTACHMENT 1
Indian Point Analytical Results Comparison

Sample ID	Radionuclide	NRC Result (microCuries per milliliter)	Indian Pt. Result (microCuries per milliliter)	Comparison (Licensee Result Compared to NRC Result)	State of New York Result (microCuries per milliliter)
Unit 1 Sphere Foundation Drain Sump 10/19/2005	Co-58 Co-60 Cs-134 Cs-137 H-3 Sr-90	(-5±24)E-10 (-8±23)E-10 (-1.9±2.3)E-9 (9±22)E-10 (5.7±2.6)E-7 (-0.2±1.2)E-9	<8E-8 <8E-8 <1E-7 <1E-7 (8.53±?)E-7 Not Analyzed	Not Detected/No Comparison Not Detected/No Comparison Not Detected/No Comparison Not Detected/No Comparison Agreement Not Detected/No Comparison	Sample not Split with New York
Unit 1 West Spent Fuel Pool 10/20/2005	Co-58 Co-60 Cs-134 Cs-137 H-3 Sr-90	(-5±18)E-7 (2.98±0.35)E-5 (2±14)E-7 (6.74±0.22)E-3 (4.18±0.72)E-4 (1.300±0.035)E-4	<2E-6 (3.76±0.32)E-5 <2E-6 (8.13±0.04)E-3 (4.16±?)E-4[1] (3.27±?)E-4[2] Not Analyzed	Not Detected/No Comparison Agreement Not Detected/No Comparison Agreement No Comparison No Comparison No Comparison	Sample not Split with New York
Unit 2 Spent Fuel Pool 10/21/2005	Co-58 Co-60 Cs-134 Cs-137 H-3 Sr-90	(3.46±0.16)E-4 (7.95±0.28)E-4 (8.57±0.31)E-4 (1.319±0.046)E-3 (2.929±0.083)E-2 (5.87±0.24)E-6	(3.33±0.0.06)E-4 (7.99±0.08)E-4 (1.031±0.0.008)E-3 (1.586±0.012)E-3 (2.52±?)E-2[3] Not Analyzed	Agreement Agreement Agreement Agreement No Comparison No Comparison	Sample not Split with New York

Sample ID	Radionuclide	NRC Result (microCuries per milliliter)	Indian Pt. Result (microCuries per milliliter)	Comparison (Licensee Result Compared to NRC Result)	State of New York Result (microCuries per milliliter)
Unit 2 Spent Fuel Pool Wall Leak 10/24/2005	Co-58 Co-60 Cs-134 Cs-137 H-3 Sr-90	(2.4±3.4)E-9 (4.56±0.49)E-8 (2.64±0.12)E-7 (4.88±0.15)E-6 (2.208±0.047)E-2 (3.70±0.12)E-7	<5E-8 <8E-8 (3.6±0.8)E-7 (4.73±0.24)E-6 (2.19±?)E-2 Not Analyzed	Not Detected/No Comparison No Comparison Disagreement Agreement Agreement No Comparison	Sample not Split with New York
Unit 1 North Curtain Drain Composite 10/21/2005	Co-58 Co-60 Cs-134 Cs-137 H-3 Sr-90	(-1.4±1.8)E-9 (0.0±2.1)E-9 (-6±19)E-10 (4.48±0.42)E-8 (1.425±0.053)E-5 (9.97±0.42)E-8	Not Analyzed	No Comparison	Sample not Split with New York
Monitoring Well MW-111 9/29/2005	Co-58 Co-60 Cs-134 Cs-137 H-3 Sr-90	(2.7±4.3)E-9 (3.5±3.1)E-9 (-5±39)E-10 (-9±29)E-10 (2.168±0.028)E-4 (1.4±1.2)E-9	<5E-94[4] <2E-9[4] <4E-9[4] <4E-9[4] (2.07±?)E-4 (2.116±0.008)E-4[4] Not Analyzed	Not Detected/No Comparison Not Detected/No Comparison Not Detected/No Comparison Not Detected/No Comparison Agreement Agreement Not Detected/No Comparison	Sample not Split with New York

Sample ID	Radionuclide	NRC Result (microCuries per milliliter)	Indian Pt. Result (microCuries per milliliter)	Comparison (Licensee Result Compared to NRC Result)	State of New York Result (microCuries per milliliter)
Monitoring Well MW-111 10/14/2005	Co-58	(-7±23)E-10	<6E-8[4]	Not Detected/No Comparison	Sample not Split with New York
	Co-60	(1.8±2.2)E-9	<4E-8[4]	Not Detected/No Comparison	
	Cs-134	(1.9±2.2)E-9	<4E-8[4]	Not Detected/No Comparison	
	Cs-137	(-2.1±3.6)E-9	<5E-8[4]	Not Detected/No Comparison	
	H-3	(7.29±0.41)E-6	(6.82±?)E-6	Agreement	
	Sr-90	(1.1±1.3)E-9	Not Analyzed	Not Detected/No Comparison	
Monitoring Well MW-38 12/8/2005	Co-58	(-1.5±3.7)E-9	<3E-9[4]	Not Detected/No Comparison	
	Co-60	(0.3±3.3)E-9	<3E-9[4]	Not Detected/No Comparison	
	Cs-134	(4.4±3.3)E-9	<3E-9[4]	Not Detected/No Comparison	
	Cs-137	(-0.7±3.0)E-9	<3E-9[4]	Not Detected/No Comparison	
	H-3	(7.4±1.3)E-7	(9.8±2.9)E-7[4]	Agreement	(7.0±1.2)E-7
	Sr-90	(0.4±1.2)E-9	<1.25E-8[5]	Not Detected/No Comparison	
Monitoring Well MW-101 12/8/2005	Co-58	(-0.2±3.1)E-9	<3E-9[4]	Not Detected/No Comparison	
	Co-60	(2.5±3.6)E-9	<4E-9[4]	Not Detected/No Comparison	
	Cs-134	(1.8±3.4)E-9	<3E-9[4]	Not Detected/No Comparison	
	Cs-137	(-1.4±5.3)E-9	<3E-9[4]	Not Detected/No Comparison	
	H-3	(0.7±1.2)E-7	(2.7±2.8)E-7[4]	Not Detected/No Comparison	<5E-8
	Sr-90	(0.2±1.1)E-9	<1.25E-8[5]	Not Detected/No Comparison	

Sample ID	Radionuclide	NRC Result (microCuries per milliliter)	Indian Pt. Result (microCuries per milliliter)	Comparison (Licensee Result Compared to NRC Result)	State of New York Result (microCuries per milliliter)
Monitoring Well MW-105 12/8/2005	Co-58	(1.5±3.3)E-9	<4E-9[4]	Not Detected/No Comparison	
	Co-60	(1.5±3.3)E-9	<4E-9[4]	Not Detected/No Comparison	
	Cs-134	(0.4±3.5)E-9	<4E-9[4]	Not Detected/No Comparison	
	Cs-137	(0.4±2.9)E-9	<4E-9[4]	Not Detected/No Comparison	
	H-3	(-0.1±1.2)E-7	(2.2±2.7)E-7[4]	Not Detected/No Comparison	(1.0±0.9)E-7
	Sr-90	(-0.2±1.2)E-9	<1.93E-8[5]	Not Detected/No Comparison	
Monitoring Well MW-107 12/8/2005	Co-58	(1.7±2.7)E-9	<3E-9[4]	Not Detected/No Comparison	
	Co-60	(-0.2±2.6)E-9	<4E-9[4]	Not Detected/No Comparison	
	Cs-134	(2.5±2.8)E-9	<5E-9[4]	Not Detected/No Comparison	
	Cs-137	(-1.1±2.4)E-9	<3E-9[4]	Not Detected/No Comparison	
	H-3	(1.3±1.2)E-7	(1.3±2.7)E-7[4]	Not Detected/No Comparison	<5E-8
	Sr-90	(0.8±1.2)E-9	<1.33E-8[5]	Not Detected/No Comparison	
Lefarge Gypsum Plant Well #1 12/6/2005	Co-58	(-2.8±3.2)E-9	<4E-9[4]	Not Detected/No Comparison	
	Co-60	(0.8±3.9)E-9	<4E-9[4]	Not Detected/No Comparison	
	Cs-134	(0.3±3.6)E-9	<4E-9[4]	Not Detected/No Comparison	
	Cs-137	(0.2±3.5)E-9	<4E-9[4]	Not Detected/No Comparison	
	H-3	(0.4±1.2)E-7	(0.8±2.7)E-7[4]	Not Detected/No Comparison	<5E-8
	Sr-90	(1.2±1.1)E-9	<1.48E-8[5]	Not Detected/No Comparison	

Sample ID	Radionuclide	NRC Result (microCuries per milliliter)	Indian Pt. Result (microCuries per milliliter)	Comparison (Licensee Result Compared to NRC Result)	State of New York Result (microCuries per milliliter)
Lefarge Gypsum Plant Well #3 12/6/2005	Co-58	(0.4±2.5)E-9	<3E-9[4]	Not Detected/No Comparison	
	Co-60	(0.3±3.1)E-9	<3E-9[4]	Not Detected/No Comparison	
	Cs-134	(3.8±2.8)E-9	<3E-9[4]	Not Detected/No Comparison	
	Cs-137	(-0.8±4.4)E-9	<4E-9[4]	Not Detected/No Comparison	
	H-3	(0.2±1.2)E-7	(1.1±2.7)E-7[4]	Not Detected/No Comparison	<5E-8
	Sr-90	(0.1±1.0)E-9	<1.36E-8[5]	Not Detected/No Comparison	
Trap Rock Quarry 11/30/2005	Co-58	(0.4±1.7)E-9	<3E-9[4]	Not Detected/No Comparison	<0.9E-9
	Co-60	(-0.1±2.1)E-9	<2E-9[4]	Not Detected/No Comparison	<0.5E-9
	Cs-134	(-0.4±1.8)E-9	<3E-9[4]	Not Detected/No Comparison	<1.2E-9
	Cs-137	(0.6±1.6)E-9	<2E-9[4]	Not Detected/No Comparison	<1.1E-9
	H-3	(0.4±1.2)E-7	(-1.2±2.7)E-7[4]	Not Detected/No Comparison	(9±6)E-8
	Sr-90	(0.9±1.0)E-9	<2.07E-8[5]	Not Detected/No Comparison	<4E-10

Sample ID	Radionuclide	NRC Result (microCuries per milliliter)	Indian Pt. Result (microCuries per milliliter)	Comparison (Licensee Result Compared to NRC Result)	State of New York Result (microCuries per milliliter)
Algonquin Outfall 11/30/2005	Co-58	(1.1±2.3)E-9	<4E-9[4]	Not Detected/No Comparison	<1.5E-9
	Co-60	(-0.5±2.2)E-9	<5E-9[4]	Not Detected/No Comparison	<1.4E-9
	Cs-134	(0.5±2.4)E-9	<4E-9[4]	Not Detected/No Comparison	<1.7E-9
	Cs-137	(-1.6±2.2)E-9	<3E-9[4]	Not Detected/No Comparison	<1.5E-9
	H-3	(0.3±1.2)E-7	(0.6±2.8)E-7[4]	Not Detected/No Comparison	<6E-8
	Sr-90	(0.3±1.0)E-9	<2.07E-8[5]	Not Detected/No Comparison	(7±4)E-10
Fifth Street Well 11/30/2005	Co-58	(0.9±2.2)E-9	<3E-9[4]	Not Detected/No Comparison	<1.8E-9
	Co-60	(0.8±2.6)E-9	<3E-9[4]	Not Detected/No Comparison	<1.9E-9
	Cs-134	(-0.1±2.1)E-9	<3E-9[4]	Not Detected/No Comparison	<1.9E-9
	Cs-137	(-0.6±2.1)E-9	<3E-9[4]	Not Detected/No Comparison	<1.9E-9
	H-3	(-0.7±1.2)E-7	(-0.7±2.7)E-7[4]	Not Detected/No Comparison	<6E-8
	Sr-90	(0.4±1.0)E-9	<1.26E-8[5]	Not Detected/No Comparison	(8±7)E-10

Sample ID	Radionuclide	NRC Result (microCuries per milliliter)	Indian Pt. Result (microCuries per milliliter)	Comparison (Licensee Result Compared to NRC Result)	State of New York Result (microCuries per milliliter)
Gypsum Plant Stream 11/30/2005	Co-58	(0.0±1.9)E-9	<3E-9[4]	Not Detected/No Comparison	<2E-9
	Co-60	(0.1±1.8)E-9	<4E-9[4]	Not Detected/No Comparison	<1.7E-9
	Cs-134	(0.1±2.1)E-9	<3E-9[4]	Not Detected/No Comparison	<1.9E-9
	Cs-137	(-0.3±1.7)E-9	<3E-9[4]	Not Detected/No Comparison	<1.7E-9
	H-3	(0.1±1.2)E-7	(0.6±2.8)E-7[4]	Not Detected/No Comparison	<6E-8
	Sr-90	(0.5±1.0)E-9	<1.52E-8[5]	Not Detected/No Comparison	(8±4)E-10

1.Result from a sample taken on 09/08/2005. Therefore, not a split sample, but presented for information only.

2.Result from a sample taken on 09/29/2005. Therefore, not a split sample, but presented for information only.

3.Result from a sample taken on 10/10/2005. Therefore, not a split sample, but presented for information only.

4.Indian Point offsite environmental laboratory result.

5.Indian Point offsite commercial contract laboratory result.

Note: reported uncertainties for NRC and New York State represent the 95% confidence interval based on total propogated uncertainties. Indian Point uncertainties represent the 95% confidence interval, based on counting uncertainty.